Special Issue

Selected Papers From the 31st International Conference on Discrete Simulation of Fluid Dynamics

Message from the Guest Editors

The topics of this Special Issue include recent progress and advances in discrete simulation methods including lattice Boltzmann schemes, dissipative particle dynamics, smoothed-particle hydrodynamics, direct Monte Carlo simulation, molecular dynamics, quantum Monte Carlo methods, multiparticle collision dynamics and hybrid methods. We welcome submissions on advances in both theory and computation, on engineering applications of discrete fluid algorithms, and on fundamental issues in mathematical modelling, numerical analysis, statistical mechanics, kinetic theory and hydrodynamics and their applications in microscopic, nanoscale and multiscale physics for emerging technologies. We also welcome theoretical and experimental works on interfacial phenomena, droplets, free-surface flow, and micro- and nano fluids.

Guest Editors

Prof. Dr. Moran Wang

Prof. Dr. Yuehong Qian

Dr. Yuxuan Chen

Dr. Chiyu Xie

Deadline for manuscript submissions

closed (30 November 2023)

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